

## **EU-Safety data sheet**

According directive (EG)Nr.  
1907/2006 Print date: 26.05.2026

### **1. Substance/ Preparation and company's name :**

Product details:  
Trade name: Coolant

Art.No.: COOLANT15/10A ,COOLANT15/25  
Use of the substance / mixture: cooling liquide

Distributed by:  
EWS European Welding Service GmbH  
Dinnendahlstraße 24 - 26A  
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Emergency number: +49 (0) 228-19240 (GIZ-Bonn, 24h)

### **2. Possible dangers**

#### **2.1 Classification of the substance or mixture**

**Classification according to directive 67/548/EWG or 1999/45/EG**

Indications of danger: Xn – unhealthy

Risk phrases:  
Harmful if swallowed.

**Classification according to directive (EG) Nr. 1272/2008 [CLP]**

Hazard categories:

**acute toxicity:** Akut Tox. 4

**Serious eye damage / eye irritation:** Eye irritation 2

**Specific target organ toxicity (repeated exposure):** STOT wdh. 2

Statements:

**Harmful if swallowed.**

**Causes serious eye irritation.**

**Can cause damage to organs through prolonged or repeated exposure.**

#### **2.2 Label elements**

Hazardous component (s) for labeling

ethanediol

Signal word: Attention

Pictograms: GHS07-GHS08



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### Statements:

- H302 Harmful if swallowed.  
 H319 causes serious eye injury.  
 H373 Can cause damage to organs through prolonged or repeated exposure.

### Safety instructions

- P260 Do not breathe dust / fume / gas / mist / vapors / spray.  
 P270 Do not eat, drink or smoke during use.  
 P280 Wear protective gloves / protective clothing / eye protection / face protection  
 P301+P312 If swallowed: Call a Poison Control Center / Doctor if you feel unwell.  
 P305+P351+P338 In case of contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if possible.  
 P337+P313 If eye irritation persists: Get medical advice / attention  
 P314 If you feel unwell, seek medical advice / attention.

### 2.3 Other dangers

There are no known other dangers.

## 3. Composition / information on components:

### 3.1 Material

Description: solvent mixture

### 3.2 Mixture

#### Chemical Characterization

Mixture of water, ethylenglycol, Alcohols and Inhibitors

#### Dangerous ingredients:

EG-No.	description	interest
CAS-No.	Classification according to directive 67/548/EWG	
Index-No.	Classification according to directive (EG) No. 1272/2008 [CLP]	
REACH-Nr.		
203-473-3	Ethandiol	12,5 – 17,5%
107-21-1	Xn – dangerous to health R22-48	
	Acute Tox. 4, STOT RE 2; H302 H373	
01-2119456816-28		

Text of R-, H- und EUH-phrases: see section 16.

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### 4. First aid measures:

#### 4.1 Description of the first aid measures

- **General information:** Remove contaminated clothing immediately
- **After inhalation:** Supply fresh air, if necessary, give breath, heat. If symptoms persist consult a doctor. In case of unconsciousness place and transport in stable sideways position.
- **After skin contact:** wash off immediately with soap and water and rinse thoroughly. Consult a doctor if skin irritation persists.
- **After eye contact:** Rinse eyes under running water for several minutes with the eyelid wide open. If symptoms persist, consult a doctor.
- **after swallowing:** rinse mouth and drink plenty of water. If symptoms persist consult a doctor. DO NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Headache, dizziness, nausea, drowsiness, unconsciousness

### 5. Fire fighting measures:

- 5.1. **Suitable extinguishing agents:** CO<sub>2</sub>, dry powder or water spray. Fight larger fire with water spray or alcohol resistant foam..
- **Special hazards caused by the substance, its products of combustion or resulting gases:** Upon heating or in case of fire, formation of toxic gases is possible.
  - **Special protective equipment:** Wear self-contained breathing apparatus. Wear full protective suit.
  - **Further information:** Collect contaminated extinguishing water separately. Not in the sewer or waters. Disposal according to official regulations

### 6. Measures in case of accidental release:

- 6.1 **Personal precautions:** wear protective equipment. Keep unprotected persons away, wear breathing apparatus
- 6.2 **Environment precautions:** Prevent entry into sewers, pits, basement. Inform respective authorities when entering in waters or in the sewerage.
- 6.3 **Procedure for cleaning / absorption:** Absorb with liquid-binding material (sand, kieselguhr, acid binder, universal binder, sawdust).  
Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation.

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### 7. Handling and storage:

- 7.1 Instruction for safe handling:** Keep container tightly closed. Ensure good ventilation / exhaustion at the workplace. Avoid aerosol formation  
**Information about fire and explosion protection** Keep away from sources of ignition  
– Do not smoke. Take precautionary measures against electrostatic charging.
- 7.2 Storage:**
- **Requirements for storage rooms and containers:** Store in a cool, well ventilated place.  
**Storage compatibility:** do not store together with acids. Keep away from oxidizing agents.
  - **Further information to the storage conditions:** Protect from heat and direct sunlight
  - **Storage class** according to TRGS 510: 3 (flammable liquids)
  - **VbF - Klasse:** -

### 8. Exposure controls and personal protection

- **Appropriate engineering controls:**  
Ensure adequate ventilation and punctual extraction at critical points. Work in well-ventilated areas or with a respiratory filter.  
Ground tank and equipment to be filled.  
Carry out filling operations only at stations with existing extraction system.  
**Components with workplace-related limit values to be monitored: 64-17-5**  
**Ethanol**  
**MAK 1900 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup> (DFG)**
- **Personal protective gear:**
- **General protective and hygiene measures:** Take off contaminated clothing immediately.  
Wash hands before breaks and at the end of work.  
Do not inhale gases and vapors / aerosols.  
Avoid contact with eyes and skin.  
Do not eat and drink during work.
- **Respiratory protecton:** in case of insufficient ventilation respiratory protection. Filter A
- **Hand protection:** gloves / solvent resistant
- **Eye protection:** tightly sealed goggles
- **Body protection:** solvent-resistant protective clothing

### 9. Physical and chemical properties:

- **form:** liquid
- **color:** colorless
- **odor:** perceptible
- **state changes:**  
**melting point / melting range:** not determined  
**boiling point / boiling range:** >77°C.
- **Flash point:** ca. 28°C.
- **Explosion hazard:** The product is not explosive, but the formation of explosive vapor / air mixtures is possible
- **Density at 20°C:** 0.967 - 0,968 g/cm<sup>3</sup>.
- **Water solubility:** completely miscible

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### 10. Stability and Reactivity:

- **Conditions to avoid:** no decomposition if used as directed.
- **dangerous reactions:**
  - Formation of explosive gas mixtures with air.
  - Reactions with acids
  - Reactions with oxidizing agent
  - Reactions with alkali metals
  - Reactions with alkaline earth metals
- **Gefährliche Zersetzungsprodukte:** Carbon monoxide and carbon dioxide  
flammable vapors

### 11. Toxikological information:

- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** irritation possible
- **at the eye:** irritation possible
- **Sensitization:** No sensitizing effect known

### 12. Environmental information

- **General information:**  
Water hazard class 1 (VwVws Mix rule): slightly hazardous to water. Must not be used undiluted or unneutralized in the sewage or in the receiving water

### 13. Disposal considerations:

- **Product:**
- **recommendation:** Must not be disposed together with household garbage. Do not empty into drains
- Uncleaned packaging
- **recommendation:** disposal according to official regulations
- **recommended cleaning supplies:** Water, optionally with the addition of cleaning agents

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### 14. Indication for transport


#### Overland transport ADR/RID

- **ADR/RID-GGVSE Klasse:**
- **Note:** Aqueous solutions of ethyl alcohol containing not more than 24% by volume of alcohol are not subject to the requirements of ADR

#### Maritime transport IMDG/GGVSee:

- **IMDG/GGVSee-class:** 3
  - **UN-Number:** 1170
  - **label:** 3
  - **Packing group:** III
  - **EMS-Number:** 3-06
  - **Marine pollutant:** Nein
  - **proper technical name:** EHTANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- 

#### Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA-class:** 3
  - **UN/ID-Number:** 1170
  - **label:** 3
  - **Packing group:** III
  - **Proper technical name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
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### 15. Legislation:

- **Labeling according to EEC-directive:**  
The product is classified and labeled in accordance with EC directives / GefStoffV
- **R-phrases:** 10 Flammable
- **S-phrases:** 16 Keep away from sources of ignition - No smoking.
- 
- **Classification according to VbF: -**
- **Technical instruction air:**  
**Class proportion in %**  
III 10 - 25
- **National regulations:**  
Water hazard class:  
WGK 1 (VwVwS Mix rate): slighty water pullant. (VwVwS - 17.05.99)

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### **16. Other information:**

#### **Wording of the R-phrases (number and full text)**

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 41 Risk of serious damage to eyes
- 48 Danger of serious damage to health by prolonged exposure
- 67 Vapours may cause drowsiness and dizziness

#### **Wording of the H and EUH phrases (number and full text)**

- H225 Highly flammable liquid and vapour
- H302 Harmful if swallowed
- H318 Causes serious eye damage
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness
- H373 May cause damage to organs through prolonged or repeated exposure (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

#### **More information**

The information in this safety data sheet is to the best of our knowledge at the time of going to print, however, it does not constitute an assurance of product properties and does not constitute a contractual right. This information is intended to give you indications for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way